| FORM PTO-1449<br>U.S. Department of Commerce Patent and Trademark Office | Docket No.<br>UCI1250-1 | Serial No.:<br>10/680,554 |
|---|---|---|
| | Applicant: Zhou and Cheng | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Filing Date:<br>October 3, 2003 | Group Art Unit:<br>1647 |

U.S. PATENT & TRADEMARK OFFICE
AUG 07 2006
IAP22

## U.S. PATENT DOCUMENTS

| EXAM. INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| DG | AA | 2002/0165380 A1 | 11/07/2002 | J. Bard | | | |
| DG | AB | 2003/0203847 A1 | 10/30/2003 | Rosenfeld et al. | | | |
| DG | AC | 2004/0229291 A1 | 12/02/2004 | Matsumoto et al. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAM. INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION (YES/NO) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

| | | |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| /Daniel Gamett/ | 12/05/2006) |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

GT\6498901.1
331359-49

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Substitution for PTO-1449)

OIPE JC145 JAN 26 2005 PATENT & TRADEMARK OFFICE

| ATTY. DOCKET NO. | SERIAL NO. |
|---|---|
| 066778-0356 | 10/680,554 |
| APPLICANT: Zhou, Qun-Yong, et al. | |
| FILING DATE: October 03, 2003 | GROUP: 1647 |

## U.S. PATENT DOCUMENTS

| EXAMINER'S INITIALS | CITE NO. | Document Number Number-Kind Code2 (if known) | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---|---|---|---|---|---|---|
| DG | **1 | US | 6,756,479 | 06/29/2004 | Sheppard et al. | |
| DG | **2 | US | 2002/0106731 | 08/08/2002 | Ruben et al. | |
| DG | **3 | US | 2002/0115610 | 08/22/2002 | Zhou et al. | |
| | | US | | | | |
| | | US | | | | |
| | | US | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER'S INITIALS | CITE NO. | Foreign Patent Document Country Code3-Number4-Kind Codes (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Figures Appear | Translation Yes | Translation No |
|---|---|---|---|---|---|---|---|
| DG | 4 | WO 98/46620 | 10/22/1998 | | | | |
| | 5 | WO 99/63088 | 12/09/1999 | | | | |
| | 6 | WO 00/34334 | 06/15/2000 | | | | |
| | 7 | WO 00/52022 | 09/08/2000 | | | | |
| | 8 | WO 01/16309 | 03/08/2001 | | | X (Abstract only) | |
| | 9 | WO 01/36465 | 05/25/2001 | | | | |
| | 10 | WO 01/36471 | 05/25/2001 | | | | |
| | 11 | WO 01/48188 | 07/05/2001 | | | X (Abstract only) | |
| | 12 | WO 01/53308 | 07/26/2001 | | | | |
| | 13 | WO 02/06483 | 01/24/2002 | | | X (Abstract only) | |
| | 14 | WO 2004/031367 | 04/15/2004 | | | | |
| | 15 | EP 1207198 | 05/22/2002 | | | | |
| | 16 | EP 1302542 | 04/16/2003 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER'S INITIALS | CITE NO. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | |
|---|---|---|---|
| DG | 17 | Burstein et al, "Structure/function relationships of a G-protein coupling pocket formed by the third intracellular loop of the m5 muscarinic receptor," Biochemistry. 37(12):4052-4058 (1998). | |
| DG | 18 | Burstein et al., "The second intracellular loop of the m5 muscarinic receptor is the switch which enables G-protein coupling. J Biol Chem. 273(38):24322-24327 (1998). | |
| DG | 19 | Cao et al., "Stem cell repair of central nervous system injury," J Neurosci Res. 68(5):501-510 (2002). | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| /Daniel Gamett/ (12/05/2006) | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

** Copies not included.

| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Substitution for PTO-1449) | ATTY. DOCKET NO. 066778-0356 | SERIAL NO. 10/680,554 |
|---|---|---|
| | APPLICANT Zhou, Qun-Yong, et al. | |
| | FILING DATE October 03, 2003 | GROUP 1647 |

**U.S. PATENT DOCUMENTS**

| | | | |
|---|---|---|---|
| DG | 20 | Cheng et al., "Prokineticin 2 transmits the behavioural circadian rhythm of the suprachiasmatic nucleus," Nature. 417(6887):405-410 (2002). | |
| | 21 | Conklin et al., "Substitution of three amino acids switches receptor specificity of Gq alpha to that of Gi alpha," Nature. 363(6426):274-276 (1993). | |
| | 22 | Cunningham et al., "Actin-binding protein requirement for cortical stability and efficient locomotion," Science. 255(5042):325-327 (1992). | |
| | 23 | Hunziker et al., "Nestin-expressing cells in the pancreatic islets of Langerhans," Biochem Biophys Res Commun. 271(1):116-119 (2000). | |
| | 24 | Klassen et al., "Surface markers expressed by multipotent human and mouse neural progenitor cells include tetraspanins and non-protein epitopes," Neurosci Lett. 312(3):180-182 (2001). | |
| | 25 | Komatsuzaki et al., "A novel system that reports the G-proteins linked to a given receptor: a study of type 3 somatostatin receptor," FEBS Lett. 406(1-2):165-170 (1997). | |
| | 26 | LeCouter et al., "Identification of an angiogenic mitogen selective for endocrine gland endothelium," Nature. 412(6850):877-884 (2001). | |
| | 27 | Le Poul et al., "Adaptation of aequorin functional assay to high throughput screening," J Biomol Screen. 7(1):57-65 (2002). | |
| | 28 | Lin et al., "Identification and molecular characterization of two closely related G protein-coupled receptors activated by prokineticins/endocrine gland vascular endothelial growth factor," J Biol Chem. 277(22):19276-19280 (2002). | |
| | 29 | Masuda et al., "Isolation and identification of EG-VEGF/prokineticins as cognate ligands for two orphan G-protein-coupled receptors," Biochem Biophys Res Commun. 293(1):396-402 (2002). | |
| | 30 | Mellentin-Michelotti et al., "Determination of ligand binding affinities for endogenous seven-transmembrane receptors using fluorometric microvolume assay technology," Anal Biochem. 272(2):182-190 (1999). | |
| | 31 | Mollay et al., "Bv8, a small protein from frog skin and its homologue from snake venom induce hyperalgesia in rats," Eur J Pharmacol. 374(2):189-196 (1999). | |
| | 32 | Okano et al., "Stem cell biology of the central nervous system," J Neurosci Res. 69(6):698-707 (2002). | |
| | 33 | Park et al., "Global gene and cell replacement strategies via stem cells," Gene Ther. 9(10):613-624 (2002). | |
| | 34 | Rees et al., "Development of a homogeneous MAP kinase reporter gene screen for the identification of agonists and antagonists at the CXCR1 chemokine receptor," J Biomol Screen. 6(1):19-27 (2001). | |
| | 35 | Schweitz et al., "MIT(1), a black mamba toxin with a new and highly potent activity on intestinal contraction," FEBS Lett. 461(3):183-188 (1999). | |
| | 36 | Tate et al., "Heterologous expression of G-protein-coupled receptors," Trends Biotechnol. 14(11):426-430 (1996). | |
| | 37 | Van der Wal et al., "Monitoring agonist-induced phospholipase C activation in live cells by fluorescence resonance energy transfer," J Biol Chem. 276(18):15337-15344 (2001). | |
| | 38 | Wechselberger et al., "The mammalian homologues of frog Bv8 are mainly expressed in spermatocytes," FEBS Lett. 462(1-2):177-181 (1999). | |
| | 39 | Zhang et al., "A scintillation proximity assay for human interleukin-5 (hIL-5) high-affinity binding in insect cells coexpressing hIL-5 receptor alpha and beta subunits," Anal Biochem. 268(1):134-142 (1999). | |
| | 40 | Zuck et al., "Ligand-receptor binding measured by laser-scanning imaging," Proc. Natl. Acad. Sci. U S A. 96(20):11122-11127 (1999). | |
| | 41 | GenBank Accession No. AF487278 | |
| | 42 | GenBank Accession No. AF487279 | |
| | 43 | GenBank Accession No. AF487280 | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| /Daniel Gamett/ (12/05/2006) | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.